

Notice of Allowability

Application No.

10/680,265

Examiner

Helen Rossoshek

Applicant(s)

MARINCA ET AL.

Art Unit

2825

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 11/20/2008 and telephone conversation on 01/30/2009.
2. ☒ The allowed claim(s) is/are 1-5, 7, 8, 17-22, 24-31, 33, 34. Renumbered (37 CFR 1.126).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20090201</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>11/20/08</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

1. This office action is in response to the Application 10/680,265 filed 10/07/2003, amendment filed 11/20/2008 and telephone interview on 01/30/2009.
2. Claims 1-8, 17-35, 37, 38 remain pending in the Application.
3. Applicant's arguments have been fully considered and they are partly persuasive.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
5. Authorization for this examiner's amendment was given in a telephone interview with Steven Henry (Registration No. 27,900) on 01/30/2009.

The application has been amended as follows:

To claims

Cancel claims 6, 11-16, 23, 32, 35, 37, 38.

Claim 1 line 7 --, matching being effected by the addition or subtraction of the difference between two balanced trimming PTAT and CTAT currents--

Claim 7 line 1 replace "6" with --1--

Claim 8 line 1 replace "6" with --1--

Claim 8 line 1 after "6" delete "between said scaling and said matching step,"

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Claim 8 line 2 after “comprising” insert --, between said scaling and said matching step--

Claim 17 line 7 after “unchanged” insert --, the matching being provided by the addition or subtracting of the difference between two balanced trimming PTAT and CTAT currents--

Claim 24 line 1 replace “23” with --17--

Claim 25 line 1 replace “23” with --17--

Claim 26 replace “23” with --17--

Claim 31 line 7 after “unchanged” insert --, wherein a constant is generated by a balanced combination of PTAT and CTAT current sources, each current source coupled to a DAC, the value of an input code applied to an input of each DAC determining, the value of the constant current, and wherein the addition or subtraction of the constant voltage value is controlled by a second input to each DAC--

Allowable Subject Matter

6. Claims 1-5, 7, 8, 17-22, 24-31, 33, 34 are allowed. The following is an examiner’s statement of reasons for allowance: the prior art of record does not teach or suggest the matching being effected by the addition or subtraction of the difference between two balanced trimming PTAT and CTAT currents (claims 1, 17); and wherein a constant is generated by a balanced combination of PTAT and CTAT current sources, each current source coupled to a DAC, the value of an input code applied to an input of each DAC determining, the value of the constant current, and wherein the addition or

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subtraction of the constant voltage value is controlled by a second input to each DAC (claim 31) among with the limitations of claims 1, 17, 31.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen Rossoshek whose telephone number is (571)272-1905. The examiner can normally be reached on 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HR
01/31/2009

/Helen Rossoshek/
Primary Examiner, Art Unit 2825